FASH 8 Course Outline as of Spring 2011

CATALOG INFORMATION

Dept and Nbr: FASH 8 Title: INTRO TEXTILES
Full Title: Introductory Textiles
Last Reviewed: 3/13/2023

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	2.00	17.5	Lecture Scheduled	35.00
Minimum	3.00	Lab Scheduled	3.00	6	Lab Scheduled	52.50
		Contact DHR	0		Contact DHR	0
		Contact Total	5.00		Contact Total	87.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 70.00 Total Student Learning Hours: 157.50

Title 5 Category:	AA Degree Applicable
Grading:	Grade or P/NP
Repeatability:	00 - Two Repeats if Grade was D, F, NC, or NP
Also Listed As:	
Formerly:	CLTX 8

Catalog Description:
The study of natural, man-made, and synthetic fibers including their characteristics, use, and care for clothing and home furnishings. Topics include yarn and fabric construction and identification, dyeing and printing processes, finishes, fabric testing, performance and serviceability, and legislation.

Prerequisites/Corequisites:

Recommended Preparation:
Eligibility for ENGL 100 or ESL 100

Limits on Enrollment:

Schedule of Classes Information:
Description: The study of natural, man-made, and synthetic fibers including their characteristics, use, and care for clothing and home furnishings. Topics include yarn and fabric construction and identification, dyeing and printing processes, finishes, fabric testing, performance and serviceability, and legislation. (Grade or P/NP)
Prerequisites/Corequisites:

Recommended: Eligibility for ENGL 100 or ESL 100
Limits on Enrollment:
Transfer Credit: CSU;UC.
Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	**Area**	Effective:	Inactive:
CSU GE:	**Transfer Area**	Effective:	Inactive:
IGETC:	**Transfer Area**	Effective:	Inactive:

CSU Transfer:	Transferable	Effective:	Fall 1981	Inactive:
UC Transfer:	Transferable	Effective:	Fall 1981	Inactive:

CID:

Certificate/Major Applicable:
Both Certificate and Major Applicable

COURSE CONTENT

Outcomes and Objectives:
Upon successful completion of this course, students will be able to:
1. Identify and discuss the major factors that influence textile consumption.
2. Describe current trends in fiber and fabric consumption.
3. Assess and illustrate how the possible future problems in fiber consumption affect today's consumers.
4. Identify specific imperfections or problems in textile products that cause dissatisfaction in consumption.
5. State practices consumers may follow in selecting, using, and caring for textile products to increase satisfaction.
6. List and compare the general properties of natural, man-made, and synthetic fibers.
7. Describe the manufacturing and processing for each of the natural, man-made, and synthetic fibers.
8. Define basic terminology used in the textile industry.
9. Describe briefly three testing techniques used to identify fibers.
10. Test and describe the general reaction of protein, cellulosic, and manufactured fibers when subjected to the burning and solubility experiments.
11. Compare the properties of the following: spun yarns, filament yarns, carded and combed yarns, woolen and worsted yarns, and simple, complex, or novelty yarns.
12. Identify and select the fabrication method illustrated by fabric swatches representing the commonly used methods of making fabric.
13. Compare the basic characteristics of fabrics made by knitting, weaving, or felting blends, etc.
14. Recognize and select basic types of knit fabrics.
15. Identify by fabric name and select swatches representative of approximately 25 cotton, 15 wool, 10 silk, 4 linen, 20 man-made, and 20 synthetic fabrics.
16. Name and define at least 10 different types of finishes applied to fabrics for usefulness and appearance.
17. Recognize finish techniques used to apply color and design to fabric.

18. Explain how textile elements determine the care of the product for consumer satisfaction.
19. List and define five legislative acts and Federal Trade Commission (FTC) rulings that relate to the sale of textile products.
20. Explain how each legislation provides benefits for the consumer.
21. Recognize violations of textile legislations and FTC rulings.
22. Explain the purposes of products used in laundering operations.
23. Explain how temperatures affect cleaning, wrinkling, dye stability, and fabric finish durability.
24. Describe satisfactory stain removal techniques for common stains often found on textile products.
25. List products that may be used effectively to remove water-based and oil-based stains.
26. Discuss the effects of modern laundering practices on the environment.
27. Identify and perform basic tapestry weaving techniques.
28. Spin wool fleece (optional project).

Topics and Scope:

I. History of the textile industry
   A. Brief overview of the industry
   B. Recent developments
   C. New uses in medical, industrial, and agricultural industries
II. Cultural background
   A. Current trends in textile consumption
   B. Future problems in fiber consumption
   C. Factors that influence consumer choices
III. Consumer movements and problems
   A. Environmental impact
   B. Environmental health and safety
   C. Environmental issues and changes in the industry
   D. Disposal
   E. Recycling
IV. Standards and government regulations
   A. Silk Regulation, 1932
   B. Wool Products Labeling Act, 1939
   C. Fur Products Labeling Act, 1952
   D. Textile Fiber Identification Act, 1960
   E. Permanent Care Labeling Regulation, 1972
   F. Flammable Fabrics Act, 1953
V. Textile terms and properties
   A. Basic language
   B. Advantages of fibers
   C. Disadvantages of fibers
   D. Care of fibers
VI. Manufacturing and processing of fibers
   A. Natural
   B. Man-made
   C. Synthetic
   D. Other fibers
VII. Yarn structure
   A. Filament
   B. Spun
   C. High bulk yarns

D. Fiber blends
E. Fiber length and twist
F. Yarn size
G. Simple yarn
H. Novelty yarn
I. Composite yarn

VIII. Fabric construction
A. Loom and its parts
B. Basic weaves
C. Fancy weaves

IX. Knits
A. Filling or weft knits
B. Warp knits

X. Other fabrication methods
A. Solutions
B. Non-woven or fiber structure
C. Felt
D. Net-like structures
E. Braids
F. Lace
G. Composite fabric
H. Animal products

XI. Fabric finishes
A. Aesthetic finishes
B. Special purpose finishes
C. Dyeing and printing

XII. Care of textile products
A. Factors relating to cleaning
B. Laundering
C. Dry cleaning
D. Professional wet cleaning
E. Other cleaning methods

XIII. Textile experiments
A. Burn test
B. Chemical test

XIV. Samples (lab)
A. Weaving - tapestry sample
B. Spinning wool sample (optional)

Assignment:

1. Notebook containing assignments given during the semester including:
   a. reference readings (e.g. reading reports)
   b. class lecture notes
   c. text assignments (e.g. answers to questions)
   d. handouts
   e. experiments and written descriptions
   f. swatch collection
   g. labels and advertisements
2. Research project or research paper (8-10 pages)
3. Reference readings (3 required)
4. Swatch collection

5. Lab experiments, such as burn test and chemical test
6. Objective tests (5-6) plus final exam
7. An essay test
8. Weekly reading from textbook (10-15 pages)

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Written homework, text questions, research project or paper, 3 reference readings, notebook	Writing 30 - 60%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

None	Problem solving 0 - 0%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Lab projects and swatch collection	Skill Demonstrations 15 - 25%

Exams: All forms of formal testing, other than skill performance exams.

Exams: multiple choice, true/false, matching items, completion, short essay	Exams 20 - 35%

Other: Includes any assessment tools that do not logically fit into the above categories.

Participation and attendance	Other Category 5 - 10%

Representative Textbooks and Materials:
Textiles. Kadolph, Sara J. Pearson. 11th Edition, 2010.
Instructor Generated Manual